

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION

>> CAUTION: LPI APPROVAL REQUIRED <<

City, Town, or Plantation	Lamoine
Street or Road	17 Cove Road
Subdivision, Lot #	Bar Harbor Highlands, Lot #19-1
OWNER/APPLICANT INFORMATION	
Name (last, first, MI)	Theall, Kermit <input checked="" type="checkbox"/> Owner <input checked="" type="checkbox"/> Applicant
Mailing Address of Owner/Applicant	17 Cove Road Lamoine, ME 04605
Daytime Tel. #	6677323

Town/City LAMOINE Permit # 1714
Date Permit Issued 1/1 Fee: \$ 200 265 Double Fee Charged []
M. J. Theall L.P.I. # 1040
Local Plumbing Inspector Signature

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 14 Lot # 28

OWNER OR APPLICANT STATEMENT
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.
Kermit Theall
Signature of Owner or Applicant Date

CAUTION: INSPECTION REQUIRED
I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.
M. J. Theall (1st) date approved 9/27/13
Local Plumbing Inspector Signature (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <u>Trench</u> Year installed: <u>1970's</u> <input type="checkbox"/> 3. Expanded System <input type="checkbox"/> a. Minor Expansion <input checked="" type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input checked="" type="checkbox"/> 1. No Rule Variance <input type="checkbox"/> 2. First Time System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 3. Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector Approval <input type="checkbox"/> b. State & Local Plumbing Inspector <input type="checkbox"/> 4. Minimum Lot Size Variance <input type="checkbox"/> 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <input type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & alt. toilet) <input type="checkbox"/> 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input checked="" type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components
SIZE OF PROPERTY <u>1.25</u> <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES	DISPOSAL SYSTEM TO SERVE <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</u> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	TYPE OF WATER SUPPLY <input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
SHORELAND ZONING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: <u>Existing/Pump/ck. baffles</u> CAPACITY: <u>1000</u> GAL	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear <input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load SIZE: <u>240</u> sq. ft. <input type="checkbox"/> ln. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes of Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input checked="" type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW <u>364</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —
SOIL DATA & DESIGN CLASS PROFILE CONDITION DESIGN <u>7</u> / <u>C</u> / <u>1</u> at Observation Hole # <u>TP-1</u> Depth <u>21</u> " of Most Limiting Soil Factor Groundwater	DISPOSAL FIELD SIZING <input type="checkbox"/> 1. Medium—2.6 sq. ft. / gpd <input checked="" type="checkbox"/> 2. Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 3. Large—4.1 sq. ft. / gpd <input type="checkbox"/> 4. Extra Large—5.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP <input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: <u>NA</u> gallons	<input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>27</u> m <u>33.24</u> s Lon. <u>68</u> d <u>16</u> m <u>36.54</u> s if g.p.s. state margin of error: <u>20'</u>

SITE EVALUATOR STATEMENT

I certify that on 9/10/2013 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

J. Peter Crane #5003 MEES LSE #33 9-19-2013
Site Evaluator Signature SE # Date
J. Peter Crane 207-667-5007 Crane's 11 Kl@hunker down
Site Evaluator Name Printed Telephone Number Email Address
Designed with SeptiCAD
HHE-200 Rev. 4/05

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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Town, City, Plantation
Lamoing

Street, Road, Subdivision
17 Cove Road

Owner or Applicant Name
Kermit Theall

SITE PLAN

Scale 1" = 60 ft.

SITE LOCATION PLAN

DIG SAFE
(dial 811)

- Use Maine Sediment and Erosion Control BMP's

Drilled Well

Driveway

House

Garage

Garage

ERP: Nail 54" above ground in 9" dia. Oak Tree

Existing 1000 gal. Septic Tank, Pump & Ck.Baffles & Clean Filter

240 l.f. of Enviro-Septic Pipe
8 rows X 30' long - [15' x 30']
Installed 2' on Center in serial sloping distribution

Approx. Property Line

- Disposal Area must be Minimum of 20' from foundation
- Disposal system must be 10' from a property line
- All permits and/or notifications prior to construction are the responsibility of the Owner

- Loam, Seed & Mulch all disturbed areas

- Grade area to divert surface water away from Disposal System

Peter Crane receives no financial benefit from Presby Environmental or their distributors for recommending their products

SOIL PROFILE DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole # TP-1 ☒ Test Pit ☐ Boring

0 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
0			
6	Fine Sandy Loam	Friable	DARK BROWN
12			NONE
18			DARK REDDISH BROWN
24	Loamy Sand		YELLOWISH BROWN
30	Fine Sandy Loam		LIGHT YELLOWISH BROWN
36	STRAT. SILT & CLAY	FIRM	LIGHT OLIVE BROWN
42		Limit of Excavation at 3 inches	
48			
Soil Profile	Classification	Slope	Limiting Factor
7	C	7-8	21"
	Condition	Percent	Depth

Observation Hole # ☐ Test Pit ☐ Boring

 " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
0			
6			
12			
18			
24			
30			
36			
42			
48			
Soil Profile	Classification	Slope	Limiting Factor

J. Peter Crane #5003 MEES
Site Evaluator Signature

#33
LSE #

9-19-2013
Date

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

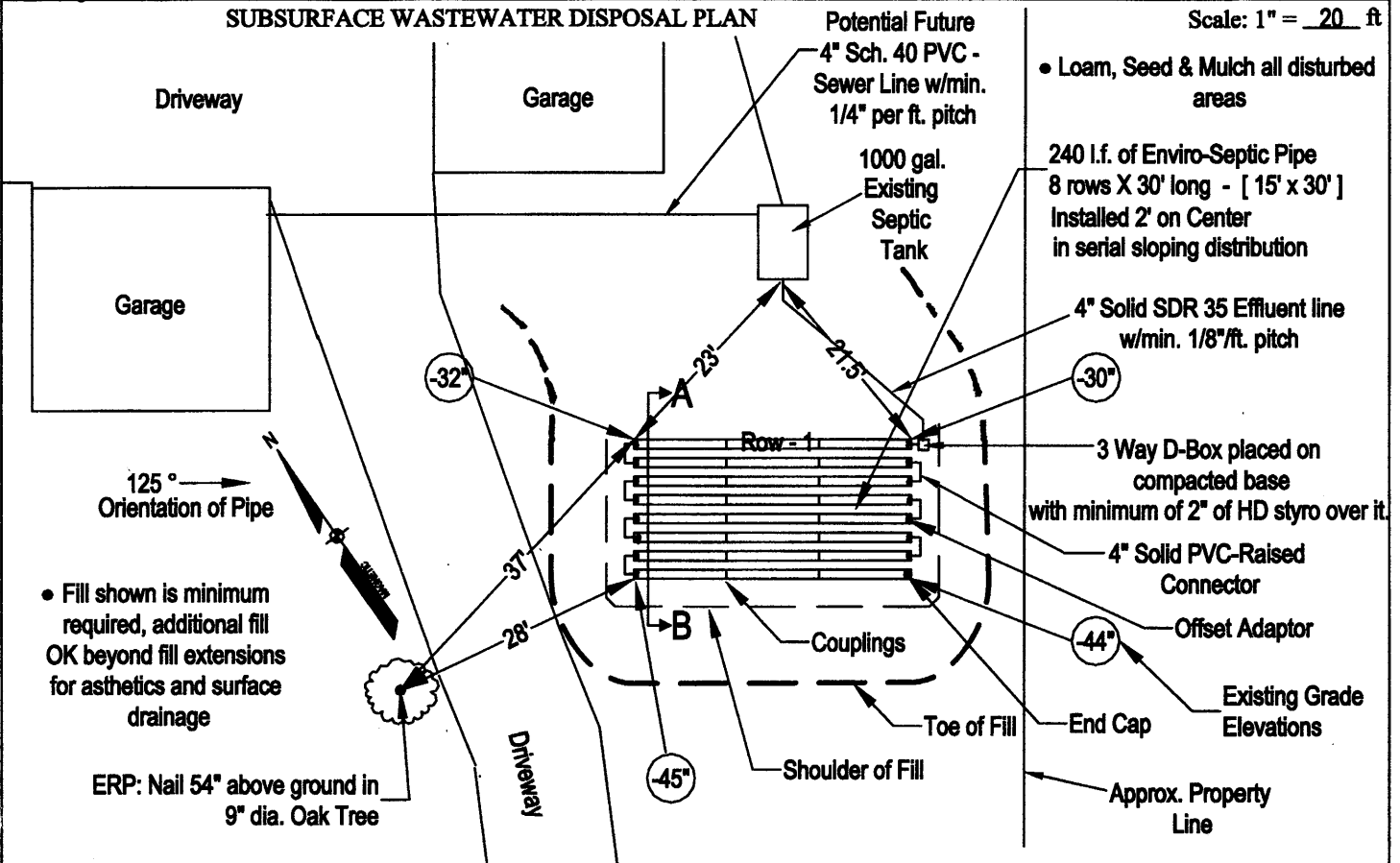
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SUBSURFACE WASTEWATER DISPOSAL PLAN



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) **17-15"**
Depth of Backfill (downslope) **18-17"**

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) **-15"**
Top of Proprietary Device (at Row 1) **-27"**
Bottom of **E-S PIPE** (at Row 1) **-39"**

ELEVATION REFERENCE POINT

Location & Description: **Nail 54" above ground in 9" dia. Oak Tree**

Reference Elevation is **0.0" ASSUMED**

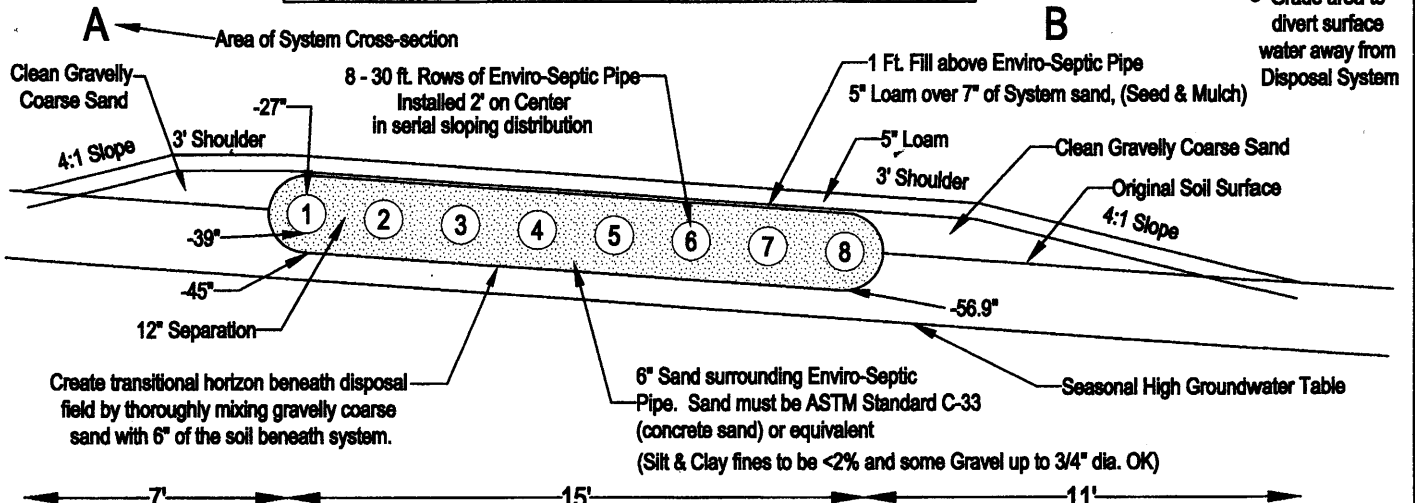
- Remove organics & scarify entire area to be filled.

DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3	4	5	6	7	8
TOP	-27"	-28.7"	-30.4"	-32.1"	-33.8"	-35.5"	-37.2"	-38.9"
BOTTOM	-39"	-40.7"	-42.4"	-44.1"	-45.8"	-47.5"	-49.2"	-50.9"

- Loam, Seed & Mulch all disturbed areas

Scales:
Verticle: 1" = **5'**
Horizontal: 1" = **5'**



J. Peter Crane #5003MEES
Site Evaluator Signature

#33
LSE #

9-19-2013
Date

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